

## ABSTRACT

Disclosed is a stent (1) representing a prosthesis for a constricted body vessel. The stent (1) includes a tubular support frame (2) composed of ring segments (3, 4, 5) which are sequentially arranged in axial direction and which are formed by segment struts (5, 6) that are continuously joined to one another in the initial state via transitions (8). Adjacent ring segments (3-5) are coupled to each other using tie bars (9, 10). In order to prevent notch stress in the segment struts (5, 6), the width thereof increases from midsection (16) in the direction of the transitions (8), wherein the segment struts (6, 7) are curved in a wave-like manner.